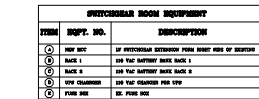
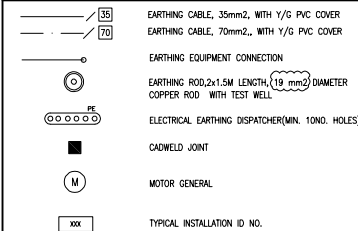


## EARTHING & LIGHTNING LAYOUT – EXTENSION OF BINAK B/C MANIFOLD

[illegible]



- 1-ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 2-MAN EARTHING CONDUCTOR IN UNDER GROUND SHOULD BE STRANDED ROUND BARE COPPER WIRE 70sqmm AND BRANCH EARTH CONDUCTORS AND ALL ABOVE EARTH CONDUCTORS SHOULD BE GREEN/YELLOW P.C.
- 3-THE CONNECTION OF ABOVEGROUND EARTHING CABLES SHALL BE CRIMP TYPE, FOR UNDERGROUND INSTALLATION THERMO-WELDING/CONNECTION TYPE SHALL BE USED.
- 4-ALL WELDING CONNECTIONS, JUNCTION BOXES, LEADING TOWERS/POLES, PANELS AND OTHER EQUIPMENT SHALL BE CONNECTED TO EARTHING SYSTEM.
- 5-ALL FINDES SHALL BE CONNECTED TO EARTHING LOOP. FOR LONG RUNS THE MAXIMUM INTERVAL BETWEEN TWO EARTHING POINTS SHALL NOT EXCEED 30m.
- 6-PIPING CARRYING INFLAMMABLE FLUIDS SHALL BE EARTHED AS FOLLOWS:
  - FLANGES FASTENED BY INFLATED BOLTS SHALL BE BOWDED.
  - TYPE WIPING MORE THAN SOMETHING, WHICH IS CONNECTED BY STEEL BOLTS SHALL BE CONNECTED TO EARTHING LOOP EVERY 50 METERS.
  - TYPE PIPING SHORTER THAN 30 METERS, WHICH IS CONNECTED TO EQUIPMENTS SHALL BE CONSIDER AS A PART OF THE EQUIPMENT AND NOT REQUIRED TO BE EARTHED.
- 7-EARTHING CONDUCTOR SHALL BE INSTALLED IN ALL EARTHING EARTH BARS IN ALL ROADS. NEW EARTH BARS WILL BE INSTALLED ONLY IN CASE OF LACK OF EARTH BARS IN THAT ROOM.



REFERENCE DRAWING	DRG. No.
PLOT PLAN DRAWING - EXTENSION OF BINAK B/C MANFOLD	BK-W0078-PEDCO-110-PI-PY-0001
ELECTRICAL EQUIPMENT ARRANGEMENT LAYOUT IN BUILDING - EXTENSION OF BINAK B/C MANFOLD	BK-W0078-PEDCO-110-EL-PY-0003
TYPICAL INSTALLATION DETAILS & NOTES FOR EARTHING & LIGHTNING PROTECTION SYSTEM	BK-GNRAI-PEDCO-000-EL-DW-0003
SPECIFICATION FOR EARTHING & LIGHTNING SYSTEM	BK-GNRAI-PEDCO-000-EL-SR-0008

### KEY PLAN

[illegible]